

Active Recombinant Mouse Sema4a, HIgG1 Fc-tagged

Cat. No. Sema4a-4001M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse Semaphorin-4A(NP_038686.3) (Met1-Gln676) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell.
Species	Mouse
Source	CHO
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to cause collapse of chick embryonic dorsal root ganglia (DRG) neuron growth cones.
Molecular Mass	101 KDa
AA Sequence	Met1-Gln676
Endotoxin	<0.06 eu/µg="" as="" determined="" by="" lal="" test="">
Purity	≥98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.

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Warning Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	Sema4a sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A [Mus musculus]
Official Symbol	Sema4a
Synonyms	SEMA4A; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A; semaphorin-4A; sema B; semaphorin-B; semaphorin 4A; SemB; Semab; AI132332;
Gene ID	20351
mRNA Refseq	NM_001163489
Protein Refseq	NP_001156961
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Other semaphorin interactions, organism-specific biosystem; Semaphorin interactions, organism-specific biosystem;
Function	receptor activity;

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